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APPLICANT : KAO CORP;

INVENTOR : AIDA KENJI;

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TITLE : WATER-BASE PIGMENT INK

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a water-base pigment ink giving a printed image having high density and exhibiting excellent dispersion stability even after the storage over a long period.

SOLUTION: This water-base pigment ink contains a pigment, a polymer dispersing agent, a surfactant, a water-soluble solvent and water. The polymer dispersing agent is a copolymer of a (meth)acrylic acid derivative and its amount is 0.05-5wt.%. The surfactant is a mixture of 0.01-5wt.% of an anionic surfactant and 0.01-5wt.% of a nonionic surfactant at an (anionic/nonionic) ratio of 100:1 to 1:100. The weight ratio of the polymer dispersing agent to the anionic surfactant is 1:2 to 30:1.

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